

**Notice of Allowability**

Application No.

10/705,641

Applicant(s)

RISVIK ET AL.

Examiner

Cheyne D. Ly

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2168

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Interview on February 19, 2007.
2. ☒ The allowed claim(s) is/are 1, 2, 4-11, and 13-19 (renumbered as 1-17).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |                                                                                                            |                                                                                                  |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)                                           | 5. <input type="checkbox"/> Notice of Informal Patent Application                                |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance                        |
|                                                                                                            | 9. <input type="checkbox"/> Other _____                                                          |

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Seth Ostrow (Reg. No. 37,410) on February 19, 2007.

The application has been amended as follows:

2. Cancel claim 3.
3. In the claims:
4. Claim 1 delete lines 3-5, insert therefor -- retrieving data items associated with a respective ranking from a database, wherein the ranking is based at least in part on a relevance score for the data item;--
5. Claim 1, line 8, insert the term "the" before the term "respective".
6. Claim 5, line 1, delete "claim 3", insert therefor, --claim 1--
7. Claim 8, delete lines 3-5, insert therefor -- retrieving data items associated with a respective ranking from a database, wherein the ranking is based at least in part on a relevance score for the data item;--
8. Claim 8, line 7 insert "the" before the term "respective".
9. Claim 8, line 16, after "the search term query;" enter --and--
10. Claim 8, line 17, insert --providing one or more of the result data items to a user.--

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11. Claim 11, delete lines 6-8, insert therefor-- an indexer which receives the data items associated with a respective ranking, wherein the ranking is based at least in part on a relevance score for the data item, produces a primary index;--
12. Claim 11, line 10, insert --the-- before the term "respective".
13. Claim 13, delete lines 3-4, insert therefore --an indexer which receives the data items associated with a respective ranking, wherein the ranking is based at least in part on a relevance score for the data item, produces a primary index;--
14. Claim 13, line 6, insert --the-- before the term "respective".
15. The following is an examiner's statement of reasons for allowance:
16. The prior art of record fails to teach or suggest the claimed invention individually or in combination wherein the "producing at least a first and a second sub-index from the primary index based on the mapping", the "mapping...based on the respective rankings of the data items", and "the ranking is based...on a relevance score for the data item" as set forth in claim 1, and similarly in claims 8, 11, and 13.
17. Dependent claims 2, 4, 5-7, 9, 10, and 14-19 being further limiting to the independent claim 1, 8, 11, or 13, definite, and enabled by the specification are also allowed.
18. The closest prior art, Burrow et al., describes a method for mapping an index of a database into an array of files. However, Burrow et al. does not teach or suggest the limitation of

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producing the sub-index cited above as being free of any prior art when read in the claims as a whole.

19. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **CONCLUSION**


20. Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

21. For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199. The USPTO's official fax number is 571-272-8300.

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22. Any inquiry concerning this communication or earlier communications from the examiner should be directed to C. Dune Ly, whose telephone number is (571) 272-0716. The examiner can normally be reached on Monday-Friday from 8 A.M. to 4 P.M.

23. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Vo, can be reached on (571) 272-3642.

C. Dune Ly   
Patent Examiner  
2/19/07